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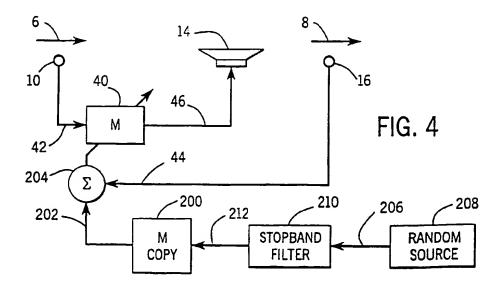
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(54) Active adaptive control system with spectral leak

(57) An active adaptive control system introduces a control signal from an output transducer (14) to combine with the system input signal (6) and yield a system output signal (8). An adaptive filter model (40) has an output (46) supplying a correction signal to the output transducer to introduce the control signal. The model has a first error input (44, 232, 248) driven by an error signal from an error transducer (16) to drive the correction sig-

nal toward a value matching the system input signal to modify and/or cancel same. The model has a second error input (202, 224, 240, 268, 280) selectively driven by a spectral leak signal (212) to drive the correction signal away from such matching value by driving the correction signal towards zero, to selectively constrain performance of the model in response to a given condition of a given parameter.





EUROPEAN SEARCH REPORT

Application Number EP 94 39 9209

		IDERED TO BE RELEVAN	<u> </u>	
Category	Citation of document with of relevant p	indication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	WO 93 15501 A (ACT TECH) 5 August 199 * page 12, line 9	IVE NOISE & VIBRATION 3 - line 22 *	1	H03H21/00 G10K11/178
D,A	US 4 677 676 A (ER 1987	IKSSON LARRY J) 30 June 9 - column 17, line 62;	1,10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G10K H03H
The present search report has been drawn up for all claims				
		Date of completion of the search 28 February 1997	0/1	PINTA BALLE, L
CATEGORY OF CITED DOCUMENTS T: then; E: cartic X: particularly relevant if taken alone Y: particularly relevant if combined with another D: document of the same category L: document		NTS I : theory or principle E : earlier patent door after the filing da ther D : document cited in L : document cited for	underlying the sment, but publi te the application r other reasons	invention shed on, or

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